Lingworth Care Home

Sustainability and Energy Statement

Sept 2024

This Sustainability and Energy Statement is provided to support the Planning Application for Lingworth, 17 Oathall Road Haywards Heath, West Sussex, RH16 3EG

1. **Policy DP39: Sustainable Design and Construction**
2. **Policy DP42: Sustainable Economic Development**

Mid Sussex District Plan DP39 relates to sustainability in design, construction, and long-term use.

P42 focuses on promoting sustainable economic development.

The proposed extension and refurbishment project to complies with the following key elements:

- **Reuse:** The proposal reuses, refurbishes and improves an existing building, ensuring it will be maintained to a high standard.
- **Energy Efficiency:** The extension incorporates energy-efficient design principles, including improved insulation to the existing building through improved thermal build-up to existing external walls and roof space. New windows and doors with high-performance glazing, and energy-efficient lighting and heating systems, aiming to reduce energy consumption.

  All areas of the building will incorporate underfloor heating and new air-source heat pumps to the 4 separate zones of the existing main building, the new extension, the pool building and the Coach House.
- **Renewable Energy Integration:** Solar panels will be installed on the south facing roof of the existing pool building to contribute to the building's electricity supply, aligning with renewable energy targets. The area of proposed photovoltaic panels are shown on the associated drawings.
- **Water Conservation:** The design would ensure water usage is limited to 110l per person per day and includes water-efficient fixtures such as low-flow taps and toilets, as well as local rainwater harvesting to reduce water consumption and manage runoff. As previously

described the large area of run-off from the existing tennis court will be replaced with permeable planting and footpaths.

The removal of the existing swimming pool would also eliminate a substantial water and energy demand currently on the site.

- **Waste Management:** A robust waste management strategy during construction will minimize landfill waste, ensuring materials are recycled where possible.
- **Climate Change Risk:** The two main risks of climate change; warming and higher rainfall are considered as part of this design by ensuring the external envelope of both the new and existing building elements are constructed to a high level in addition to reducing rainfall run-off and reuse rainfall run-off for maintenance of the landscape.
- **Meeting Local Needs:** The expansion addresses the growing demand for care services in the region, ensuring local residents can access high-quality care close to home.
- **Job Creation:** The extension will generate employment opportunities, both during the construction phase and in the long-term operation of the nursing home, contributing to the local economy.
- **Sustainable Growth:** The project supports the local economy in a sustainable manner, aligning with the district's vision for economic development without negatively impacting the environment or community resources.

In conclusion, the care home proposal satisfies the criteria of both DP39 and DP42 by promoting sustainable construction practices, energy efficient design and contributing positively to local economic and social needs.

End.